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DEPARTMENT OF HEALTH AND HUMAN SERVICES (HHS)

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**National Toxicology Program** Office

# National Toxicology Program; Availability of Technical Report on Toxicology and Carcinogenesis Studies of Resorcinol

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**DATE:** Tuesday, **March** 16, 1993

The HHS' National Toxicology Program announces the availability of the NTP Technical Report on the toxicology and carcinogenesis studies of resorcinol, used in the manufacture of adhesives and dyes and as an ingredient in pharmaceutical preparations for the topical treatment of skin conditions.

Two-year toxicology and carcinogenesis studies were conducted by administering doses of 0, 112, or 225 mg/kg resorcinol in deionized water by gavage to groups of 60 male rats and 60 mice of each sex. Female rats received dose levels of 0, 50, 100, or 150 mg/kg resorcinol.

Under the conditions of these 2-year gavage studies, there was no evidence of carcinogenic activity n1 of resorcinol in male F344/N rats given 112 or 225 mg/kg or female F344/N rats given 50, 100, or 150 mg/kg. There was no evidence of carcinoge Zic activity of resorcinol in male or female B6C3F1 mice given 112 or 225 mg/kg.

n 1 The NTP uses five categories of evidence of carcinogenic activity observed in each animal study: two categories for positive results ("clear evidence" and "some evidence"), one category for uncertain findings ("equivocal evidence"), one category for no observable effect ("no evidence"), and one category for studies that cannot be evaluated because of major flaws ("inadequate study").

Clinical signs suggestive of a chemical-related effect on the central nervous system, including ataxia, recumbency, and tremors, were observed in rats and mice in the 2-year studies.

Copies of Toxicology and Carcinogenesis Studies of Resorcinol in F344/N Rats and B6C3F1 Mice (Gavage Studies) (TR 403) are available without charge from Central Data Management, NIEHS, MD AO-01, P.O. Box 12233, Research Triangle Park, NC 27709; telephone (919) 541-3419 or (919) 541-0977.

Dated: March 10, 1993.

Kenneth Olden,

Director, National Toxicology Program.

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